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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/006593
				Filing Date	December 5, 2001
				First Named Inventor	Katherine S. Bowdish
				Art Unit	1643
				Examiner Name	P. K. Tungaturthi
Sheet	1	of	1	Attorney Docket Number	ALEX-P01-054

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number+Kind Code <sup>2</sup> (if known)			

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
PT	BB	EP-1642910A	04-05-2006	Alexion Pharmaceuticals	
	BC	WO-02/46238A	06-13-2002	Alexion Pharmaceuticals	

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NON PATENT LITERATURE DOCUMENTS					
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PT	CK	JOHNSON et al., "Erythropoietin mimetic peptide and the future," Nephrology Dialysis Transplantation, 15:1274-1277(2000).			
	CL	Li et al., "Expression of TPO mimetic peptide chimeric proteins with human IgG1 Fc fragments and their biological characters," Sheng Wu Gong Cheng Xue Bao = Chinese Journal of Biotechnology, 18(4):424-430(2002).			
	CM	Supplementary European Search Report from Application No. EP03786822, dated June 21, 2006.			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT	RECEIVED JUL 29 2002 U.S. PATENT & TRADEMARK OFFICE ATTACH TO #9	
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LA	4 6 4 2 3 3 4	2/10/87	Moore et al.	530	388	
	4 8 1 6 3 9 7	3/28/89	Boss et al.	435	48	
	5 1 1 6 9 6 4	5/26/92	Capon et al.	536	17	
	5 4 2 8 1 3 0	6/27/95	Capon et al.	530	350	
	5 5 9 8 4 3 5	12/16/97	Robinson et al.	435	240	
	5 8 7 4 2 5 3	2/23/99	Tsujimoto et al.	435	69.4	
	5 8 7 6 9 6 1	3/2/99	Crowe et al.	435	69.1	
	5 9 1 9 7 5 8	7/6/99	Sytkowski	514	8	
	5 9 3 2 5 4 6	8/3/99	Barrett et al.	514	14	
	6 0 4 0 1 3 6	3/21/00	Garrard et al.	435	5	

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PT		Steven E. Cwirla et.al. "Peptide Agonist of the Thrombopoietin Receptor as Potent as the Natural Cytokine". June 13, 1997. Science- Vol.276 pp. 1696-1699.
		Erkki Koivunent et.al. "Selection of Peptides Binding to the 5b1 Integrin from Phage Display Library". September 25, 1993. The J. of Biological Chemistry. Vol.268, No.27, pp. 20205-20210.
		Erkki Koivunent et.al. "Phage Libraries Displaying Cylic peptides with Different Ring Sizes:Ligand Specificities of the RDG-Directed Integrins". BIO/TECHNOLOGY Vol.13 March 1995 pp. 265-270
		Judith M. Healy et.al. "Peptide Ligands for Integrin avb3 Selected from Random Phage Display Libraries". January 13, 1995 Biochemistry Vol.34, No. 12, 1995. pp.3948-3955.

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LAW	5 5 9 8 4 3 5	1/28/97	Williams et al.	373	26.1	
	6 1 7 2 1 9 7	1/9/01	McCafferty et al.	530	387.3	
	5 9 6 9 1 0 8	10/19/99	McCafferty et al.	530	387.3	
	5 2 2 3 4 0 9	6/29/93	Ladner et al.	435	69.1	
	5 8 3 7 5 0 0	11/17/98	Ladner et al.	435	69.7	
	5 5 7 1 6 9 8	11/5/96	Ladner et al.	435	69.7	
LAW	5 7 5 0 3 7 3	5/12/98	Garrard et al.	435	69.4	

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	Thomas A. Kunel. "Rapid and efficient site-specific mutagenesis without phenotypic selection". January 1985. Proc. Natl. Acad. Sci. USA Vol.82, pp. 488-492.
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	5	8	6 9 4 5 1	2/9/99	Dower et al.	434	13
	6	0	0 8 0 2 3	12/28/99	Opper et al.	435	69.7

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PT		Timo Hiltunen et.al. "Assembly of Humanized Antibody Genes from Synthetic Oligonucleotides Using a Single-Round PCR". March 10, 1994. BioTechniques Vol.17, No.2.
		Xu-Bao Shi et.al. "Rapid PCR Construction of a Gene Containing Lym-1 Antibody Variable Regions". August, 1993. PCR Methods-And-Applications Vol.3, No.1. pp. 46-53.
		Achim Knappik et.al. "Fully Synthetic Human Combinatorial Antibody Libraries (HuCAL) Based on Modular Consensus Frameworks and CDR's Randomized with Trinucleotides". J. Mol. Biol. (2000). 296. pp.57-86.
		Carlos F. Barbas III et.al. "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site". September 1991. Proc. Natl. Acad. Sci. USA Biochemistry. Vol. 88, pp. 7978-7982.

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JA	6	0	0	Opper et al.	435	69.7	
LM	5	2	6	Grant et al.	530	331	
LA	5	5	9	McDonald	424	85.1	

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PT		Robert E. Hawkins et.al. "Selection of Phage Antibodies by Binding Affinity". April, 1992. J. Mol. Biol. 226, pp.889-896.
		Alexander A. Kortt et.al. "Recombinant anti-sialidase single-chain variable fragment antibody". 1994. Eur. J. Biochem. 221, pp.151-157.
		Kaija Alfthan et.al. "Properties of a single-chain antibody containing different linker peptides". 1995. Protein Engineering Vol.8, No.7, pp.725-731.
		Dennis R. Burton et.al. "Human Antibodies from Combinatorial Libraries". 1994, Advances in Immunology, Vol.57, pp.191-280.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		JUL 29 2002 RECEIVED TECH CENTER 1600 Art Un 164
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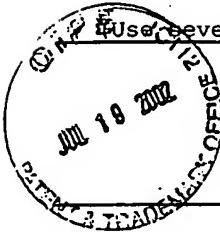
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PT		Robert E. Hawkins et,al. " Selection of Phage Antibodies by Binding Affinity". April,1992. J. Mol. Biol. 226, pp.889-896.
		Alexandér A. Kortt et,al. "Recombinant anti-sialidase single-chain variable fragment antibody". 1994. Eur. J. Biochem. 221, pp.151-157.
		Kaija Alfthan et,al. "Properties of a single-chain antibody containing different linker peptides". 1995. Protein Engineering Vol.8, No.7, pp.725-731.
		Dennis R. Burton et,al. "Human Antibodies from Combinatorial Libraries". 1994, Advances in Immunology, Vol.57, pp.191-280.

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		Don L. Siegel et.al. "Isolation of cell surface-specific human monoclonal antibodies using phage display and magnetically-activated cell sorting: applications in immunohematology". 1997, J. of Immunological Methods, 206 pp.73-85.
		John de Kruif et.al. "Leucine zipper Dimerized Bivalent and Bispecific scFv Antibodies from a Semi-synthetic Antibody Phage Display Library". March 29, 1996, The J. of Biological Chemistry, Vol.271, No.13, pp.7630-7634.
		Peter Pack et.al. "Miniantibodies: Use of Amphipathic Helices To Produce Functional, Flexibly Linked Dimeric Fv Fragments with High Activity in Escherichia coli". February 18, 1992, Biochemistry, Vol.31, No.6, pp.1579-1584.

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		Sheri A. Kostelny et.al. "Formation of a Bispecific Antibody By The Use Of Leucine Zippers". March 1,1992, The J. of Immunology, Vol.148, No.5, pp.1547-1553.
		Baek Kim et.al. "Dimerization of a Specific DNA-Binding Protein on the DNA". January 1992, Science, Vol.255, pp.203-206.
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		William J.van Heeckeren et.al. "Role of the conserved leucines in the leucine zipper dimerization motif of yeast GCN4". June 12,1992, Nucleic Acids Research, Vol.20, No.14, pp.3721-3724.

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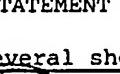
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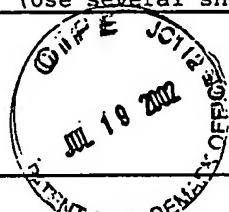
PT		Gavin MacBeath et.al. "Redesigning Enzyme Topology by Directed Evolution". March 20, 1998, Science. Vol.279; pp.1958-1961.
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		Toshio Kitamura et.al. "Establishment and Characterization of a Unique Human Cell Line That Proliferates Dependently on GM-CSF, IL-3, or Erythropoietin" February 28,1989, J. of Cellular Physiology Vol.140 pp.323-334.
		Bruce A. Witthuhn et.al. "JAK2 Associates with the Erythropoietin Receptor and Is Tyrosine Phosphorylated and Activated following Stimulation with Erythropoien". July 30,1993, Cell, Vol.74, pp.227-236.

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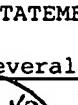
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		Toshio Kitamura et.al. "Identification and Analysis of Human Erythropoietin Receptors on a Factor-Dependent Cell Line, TF-1". February 1989, Blood, Vol.73, No.2, pp.375-380.
		Elaine W. Raines et.al. "Purification of Human Platelet-Derived Growth Factor". (1985) Methods In Enzymology, Vol.109, pp.749-773.

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		James N. Ihle et.,al. "Signaling Through the Hematopoietic Cytokine Receptors". (1995), Annu. Rev. Immunology, Vol.13, pp.369-398.
		C.J. Eaves "Assays of Hemopoietic Progenitor Cells". Williams Hematology, 5 <sup>th</sup> Edition, Chapter L4, pp.L22-L26.
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	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PT		John J. Trill et.al. "Production of monoclonal antibodies in COS and CHO cells". (1995), Current Opinion in Biotechnology, Vol.6 pp.553-560.
		Andrew Hiatt et.al. "Production of antibodies in transgenic plants". November 2,1989, Nature, Vol.342, pp76-78.
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EXAMINER /Parithosh K Tungaturthi/ DATE CONSIDERED 10/13/2006

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December 5, 2001

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EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
PT	5 7 7 3 5 6 9	06/30/1998	Wrighton et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
PT		0 0 2 4 7 8 2	05/04/2000	WO				
		0 0 6 1 6 3 7	10/19/2000	WO				
		9 9 1 0 4 9 4	03/04/1999	WO				
		9 9 2 5 3 7 8	05/27/1999	WO				
		9 6 4 0 1 8 9	12/19/1996	WO				
		9 5 1 1 3 1 7	04/27/1995	WO				
		9 5 2 9 6 9 0	11/09/1995	WO				

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PT		PCT Search Report Alexandre Jagerschmidt, Human Thrombopletin Structure-Function Relationships: Identification Of Functionally Important Residues, Biochem.J. (1998) 333, 729-734
		Takuma Kamura, Characterization of Human Thrombopoietin Gene Promoter, The Journal of Biological Chemistry, 1997 by The American Society for Biochemistry and Molecular Biology, Inc., Vol. 272, No. 17, Issue of April 25, pp. 11361-11368, 1997.
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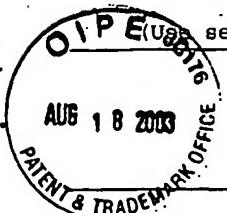
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SERIAL NO.

10/006, 683



APPLICANT

Bowdish et al.

FILING DATE

GROUP ART UNIT:

December 5, 2001

1642

U.S. PATENT DOCUMENT

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

PT		Chaiken I M et al., Identifying Structure-Function Relationships in Four-Helix Bundle Cytokines: Towards De Nova Mimetics Design, Trends in Biotechnology, Elsevier Publications, Cambridge, GB, Vol. 14, No. 10, October 1, 1996, pp 369-375.

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**Complete If Known**

Application Number	10/006593
Filing Date	December 5, 2001
First Named Inventor	Katherine S. Bowdish
Art Unit	1643
Examiner Name	P. K. Tungaturthi

Attorney Docket Number ALEX-P01-054

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (# known)			
PKT	AB	US-6,162,902	12/2000	Mischak et al.	
	AC	US-2003/0162710	08/2003	Sudoh et al.	
	AD	US-6,677,124	01/2004	Tsuji et al.	
	AE	US-6,936,440	08/2005	Cunningham et al.	

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		Country Code <sup>4</sup> -Number <sup>5</sup> -Kind Code <sup>6</sup> (# known)				

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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>3</sup>
PKT	CD	Clemens et al. "Human Brain Natriuretic Peptide Reduces Blood Pressure In Normotensive and Acute Norepinephrine-Induced Hypertensive Rabbits" American Journal of Hypertension 10:654-661 (1997)	
	CE	De Serres et al., "Pharmacokinetics and Hematological Effects of the PEGylated Thrombopoletin Peptide Mimetic GW395058 in Rats and Monkeys After Intravenous or Subcutaneous Administration," Stem Cells, 17(6):316-326 (1999).	
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	CI	Rayburn et al., "Nesiritide: A Unique Therapeutic Cardiac Peptide," Reviews in Cardiovascular Medicine, 2(2):S25-S31 (2001).	
	CJ	Roch et al., "Altered methionine homoeostasis is associated with decreased apoptosis in BAF3 bcl2 murine lymphoid cells," Biochem, 313:973-981 (1996).	

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Examiner Signature	<i>P. K. Tungaturthi</i>	Date Considered	10/16/2006
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